

Amendments to the Specification

Page 15, following the brief description of Fig. 9, and above the subtitle "Detailed Description of Preferred Embodiments," insert the following paragraph:

Fig. 10 is a block diagram showing the inventive method, when the multiplication shift value is equal to a maximum multiplication shift value.

Page 31, following the last line, insert the following paragraph:

Fig. 10 shows an embodiment of the present invention, when the multiplication shift value s_z is equal to a maximum multiplication shift value as indicated in box 1010. It is determined, whether the multiplication shift value as determined by multiplication look-ahead method is equal to a maximum multiplication shift value. When the question in box 1010 is answered by "yes", the multiplication shift value is set equal to the maximum multiplication shift value as indicated in box 1020. Additionally, a multiplication look-ahead parameter is created, which has a predetermined value as indicated in box 1030 in the Fig. 3 embodiment, when the look-ahead-parameter is the parameter a , and the predetermined

value of a is zero in the three-operands addition shown in box 218 of Fig. 2. This results in the fact that the term a multiplied by C is zero, since a is zero. This results in the fact that only the shifted intermediate result polynomial Z' and the shifted modulus polynomial N' are summed together as indicated in box 1040 in Fig. 10.